OD-77160 /80

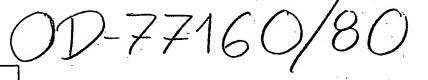
77160 C/44 E17 A41 G02 FARB 03.04.79	A(1-D10) E(5-G8, 5-G9A, 7-A4, 10-E2D, 10-E2E, 10-G2A) G(2-A2C,
BAYER AG 03.04.79-DT-913218 (23.10.80) C07c-67/08 C07c-69/54 C07d-	2-A4A) N(4-C). 1 5
319/06 Prepn. of (meth)acrylic acid ester(s) - by esterification of	moulding and casting compsns., etc.
methlacrylic acid with poly:hydric alcohol(s) in presence or	DETAILS (III) is e.g.
phosphite ester and a phenol	OR where R, R' and R'' are
In the prodn. of (meth)acrylic acid esters by esterification of (meth)acrylic acid (I) with an alcohol(s) (II) (from 2- to	P-OR' alkyl, 2-4 C haloalkyl, aryl
	OR" (esp. phenyl) or 1-4 C alkyl substd. aryl. Pref. 10-60%
prods. or 1-3 C alkyl mono- or disubstd. 5-hydroxymethy.	1 car (m) is added before agentropic esterification, and the
conditions in the presence of (a) a (cyclo)aliphatic and/or aromatic hydrocarbon with a b.pt. of 40-120°C; (b) an	of the (III) is added continuously during the esterifn., e.g. with a carrier gas such as air or N.
	EVANDIE AA
wt of (w.r.t. I+II) of an organic ester of phospholous acta	A maint of 3 5 by actulic acid, 5, 30 kg oxyetnylated
dihydric phenol (IV).	trimethylolpropane (OH value 550 mg KOH/g), 2.7 kg cyclohexane, 0.073 kg conc. H ₂ SO ₄ , 0.006 kg triethylphos- phite (V) and 0.004 kg 2,5-di-tert.butylhydroquinone (VI)
13	phite (V) and 0.004 kg 2,5-di-tert.butylhydroquinone (VI) was subjected to azeotropic esterification for 17 hrs. at
High yields of the esters are obtd. without polymer formation of discolouration and without serious redn. in	lose coult come of water whilst 10 1/hour air said. with (v)
reactivity of the resulting monomer. The esters have good storage stability, low acid value and little inherent smell	was led through. The mixt, was cooled and 0.0024 kg (VI), 0.005 kg (V) and 0.002 kg toluhydroquinone added, and the
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lacquers, UV curing printing inks, coating compsns.	
cyclohexane distilled off under vacuum. 50 1/h air satd.	
with (V) was then passed through at a sump temp. of 105°C and a press. of 50 mbar. The prod. was filtered to give a	
monomer prod, with an acid value of 2.5, an iodine colour value of 0-1 and a viscosity of 120 mPas.(19pp513)	15
alue of 0-1 and a viscosity of 120 mg control	
	1 01
_	-0-CH2
CHq-1	1
H-]\ 0	(CHE) POINT
Cu = C - C -	CH-0- (CH2-CH2-0)+
	CH0-
Α 1	-0-CH2
≟ 11	cu-0- -A
H-F	CH-0-
	-O-CH2-C-CH2-O- DT2913218
I -alkvlbu	CH20-
p-o- haloalkyl	1-CH
p ₋₀₋ naloalkyl	
oaryl-alkyl	
alkyl	M
1 cn-C4	
Ι	
1	
J	

KORRIGIERT

BEMERKUNGEN

BLATTZAHL

GREMAS - Zusatzschema



Bearbeiter

17-02

Bemerkungen

Blatt-Nr.

Blattzahl

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